

What is claimed is:

1. A filter assembly for a cyclone-type dust collecting apparatus having a dust collection container of a vacuum cleaner which filters dust included in the air current discharged on the outlet port of the cyclone-type dust collecting apparatus comprising,

a rotating filter rotatively coupled against said outlet port and provided with an inlet grill formed on the outer circumferential surface and an outlet in communication with said outlet port;

an operation bar arranged in the axial direction within said dust collection container and provided with one end coupled to said rotating filter and with another end passing through said dust collection container and exposed to the outside; and

a handling knob coupled to said another end of said operation bar for enabling said operation bar to be rotated wholly with said rotating filter.

2. The filter assembly of claim 1, wherein the coupling of said one end of the operation bar and said rotating filter is formed of,

a plurality of passive coupling protrusions protruded in the radial direction on the bottom surface of said rotating filter; and

a plurality of active coupling protrusions formed to be interlocked with said passive coupling protrusions on said one end of said operation bar.

3. The filter assembly of claim 2, wherein said plurality of passive coupling protrusions

are formed such that the respective protruding height thereof progressively increases along the outer direction.

4. The filter assembly of claim 1, wherein the coupling of said another end of said operation bar and said handling knob is formed of,

a rotational hooking portion which extends downward from the outer circumferential surface of said operation bar to surround said another end of said operation bar, and rotatively abuts on the bottom surface of said dust collection container; and

a reception rib which protrudes upward to receive said another end of said operation bar from the bottom surface of said handling knob; and

an assembly member which passes through the bottom surface of said handling knob and is assembled to said another end of said operation bar.

5. The filter assembly of claim 1 further including a rotation support body which is coupled to said outlet port and rotatively supports said rotating filter.

6. The filter assembly of claim 5, wherein said rotation support body includes,

a reception frame for receiving said rotating filter therein, and provided with a removable coupling for said outlet port on the upper end and a plurality of inlet windows formed on the outer circumferential surface; and

a support base which is coupled to a bottom of said support frame, and rotatively supports said rotating filter.

7. The filter assembly of claim 1 further including brushes which are fixed on the outer surface of said rotating filter to remove the filtered dust on said rotating filter during the rotation of said rotating filter.

8. The filter assembly of claim 6 further including brushes which are fixed on the outer surface of said rotating filter to remove the filtered dust on said rotating filter during the rotation of said rotating filter.